LIMA LOCOMOTIVE WORKS
INCORPORATED

LIMA, OHIO, U. S. A.

GEARED LOCOMOTIVE

Class 60-3 TRUCK

Dept. DRAWING ROOM

CONSTRUCTION ORDER No.	SHOP NUMBERS	DATE
462	3302	3-9-26

462
60-3
3302

FORM LED 60

ADDITIONS AND CHANGES

ADDITIONS

DATE	Page	ITEMS	Check
3-11-'26	18	27	SD
" 12- "	11	19	11
" " "	1	31	11
" " "	10	6 To 10-14 To 19	11
" " "	4	31 To 36-10-11-12-14 To 24-28-25-26	11
" " "	28	34	11
" " "	26	27-28	11
" " "	8	56 To 59	11
" 13 "	26	36-54-55	11
" " "	27	1 To 5-7-14	11
" 15 "	11	28-29	11
" " "	23	52	11
" " "	22	37	S
" " "	2	21 To 28-32-33	SD
" 16 "	12	46 To 50	11
" " "	18	43-48-49	11
" " "	1	53-56	11
" " "	2	37-20	11
" " "	8	34	11
" " "	26	32	11
" 17 "	3	27-47 To 51-53 To 61	11
" " "	4	1 To 8	11
" " "	10	42-43-44-50 To 53-57-59-60-61	11
" " "	11	1 To 13-15-16-17-18-20 To 27	11
" " "	18	43-44-48 To 51-55 To 59	SD
" " "	27	31	11
" " "	8	48-49	11
" 18 "	5	46	11
" 4 "	13	61	11
" " "	12	39-40-41-42	11
" 19 "	27	8-9-10	11
" 20 "	26	44-45	S
" " "	27	43	S
" 23 "	26	30 31	SD
" 24 "	2	50	11
" 25 "	32	38	11
" " "	21	22	11
" 27 "	15	8	11
" " "	18	41	11
" " "	16	25	11
" " "	10	1-3	11
4-1-'26	3	22-25-26	S
4-2-'26	13	20	S
4-3-26	18	53	SD
4-5-'26	15	9	11
4-8-'26	12	60-61-55-56	11
4-12-'26	26	33	S
4-15-'26	21	28-29-36	S

ADDITIONS

DATE	Page	ITEMS	Check

CHANGES

DATE	Page	ITEMS	Check
3-12-'26	24	34 To 39-41	SD
" " "	23	1-15-20-28	11
" " "	21	27-30-31-32-34-14	11
" 15-26	1	55	S
" " "	13	12	SD
" 16 "	22	19	11
" 17 "	2	26	11
" 18 "	23	22	11
" " "	13	25-26-28-30	11
" 19 "	27	1-2-3-4	11
" 20 "	27	26 To 29-41-51-52-53	S
" 20 "	4	21.22	S
3-23-26	27	28.29.	S
3-24-'26	10	19	SD
" " "	2	49	11
" 25 "	22	37	11
" " "	21	16	11
" 29 "	15	2	11
" 31 "	18	58-59	11
4-8-'26	26	45	11

LED 60-1

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
	1	ASH OIL PAN								
	2	" Pan Material Bill								
	3	" " Hopper								
	4	" " Slide								
	5	" " Door Frame								
	6	" " Slide Frame								
	7	" " Door Links								
	8	" " Damper Rigging								
	9	" " " Bell Crank								
	10	" " " " " Fulcrum								
	11	" " " Hinge								
	12	" " " " Lug								
	13	" " " " Bar								
	14	" " " Lift—Front								
	15	" " " " —Rear								
	16	" " " Lug								
	17	" " " "								
	18	" " " Rod Jaw								
	19	" " " " "								
	20	" " Netting Frames								
	21	" " Slide Rigging								
	22	" " " Rod								
	23	" " " Jaw								
	24	" " Shaft Bearing								
	25	" " Cleaning Door Hinge								
	26	" " Bell Crank Bracket								
	27									
	28									
	29									
	30	GROUP 11—AXLES								
P	31	AXLE	6	112C5002		112C5002	—	—	—	—
	32	"								
	33	GROUP 12—BELL								
P	34	BELL	1	122A5016			—		12-1	
P	35	" Frame	1	123A5000			12-4			
P	36	" " Base	1	122A5013			12-152			
P	37	" Yoke	1	123A5000			12-5			
P	38	" " Nut	1	122A5011			12-6			
P	39	" " Pin	1	123A5000	BAR STOCK		12-7			
P	40	" Crank	1	122A5010						
P	41	" Tongue	1	122A5017				12-2		
P	42	" " Fulcrum	1	122A5018			12-3	—		
	43	" Ringer Bracket	—							
P	44	" Rope ~~Details~~ SCREW EYE	3	TO SUIT ERECT. SHOP	PURCHASED	—	—	—	—	—
P	45	" " Sheave	1	122A5019		—	12-21	—	—	—
	46	" " " Chair	—							
P	47	" " " Frame	1	122A5020		—	12-18	—	—	—
P	48	" " Thimble	1	122A4	BAR STOCK					
P	49	" " " Washer	1	"						
	50	" Ringer								
	51									
	52	GROUP 13—BOILER								
P	53	Boiler Plan	1	138J5006						
	54	" Sections	—							
P	55	" Material Bill	1 SET	13M.O.5038A	(EXCEPT ST. BRACKET LINER 9/16 THICK INSTEAD OF 7/16)					
P	56	" Bracing List	1 "	138J5006						
	57									
	58									
	59									
	60									
	61									

Applied by Customer

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS								
P	1	Boiler Brace Rod Ends	22	11754 SET 12		117F201	Z	Z	Z	Z
P	2	" " " "	4	310D165		310S104				
P	3	" " " "	2	11754 SET 2		117F202				
	4	" " " "	—							
	5	" " " "	—							
P	6	" " " Lugs	4	310D265		310S29	—	—	—	—
	7	" " " "	—							
	8	" " " "								
	9	" " " "								
P	10	" " " Jaws	22	310D148		310S64	Z	Z	Z	Z
P	11	" " " "	4	310D265		310S186				
P	12	" " " "	2	310D164		310S105				
	13	" " " "								
	14	" " " "								
	15	" " " "								
	16	" Sling Stay								
	17	" " "								
P	18	" Throat Brace	6	11766		117F215	—	—	—	—
	19	" " "	—							
P	20	" ~~Crown Bars~~ RADIAL STAYS	~~42~~ 44	11745		11745				
P	21	" FLEX. BOLT CAPS ~~Roof Irons~~	152	TATE'S STYLE "A" PURCHASED						
P	22	" Stay Bolt	145	142A5028		142A5028				
P	23	" " "	393	142B5028	HOLLOW.	142B5028				
P	24	" F.B.C. EXP. STAYS Radial Stay	36	1⅛" DIAM.	PURCHASED	—				
P	25	" F.B.C. "FLEX. STAYS	116	1" DIAM.	"	—				
P	26	" CROWN STAYS.	~~154~~ 112	11721 LINE 2		11721 LINE 2				
P	27	" ~~Cross Stay~~ "	14	1⅛" HOLLOW BOLTS	12-U.S.S. THD'S. PURCHASED.					
P	28	" Tee Bar	2	11½"						
P	29	" TEE BAR	2	22"						
P	30	" " "	2	19½"	6"x1"x 5¼"x 1¼"					
P	31	" " "	2	10"						
P	32	" SLEEVES	51	TATE STYLE F.W. PURCHASED						
P	33	" " "	101	" " U.W. "						
P	34	" Mud Ring	1	143B5030						
P	35	" Tube Sheet Ring	1	142A5029		142A5029				
P	36	" " " Studs	6	"		—				
P	37	" Smoke Box Ring	1	138J5006		14A5000				
	38	" " " "	—							
P	39	" Tube (small)	82	2" O.D. #12 B.W.G. 9'-0" LONG.		—	—	—	—	—
P	40	" Flue (large)	10	5⅜" O.D. #9 B.W.G. 9'-0¾" "		—	—	—	—	—
	41	" Combustion Tubes	—							
P	42	" Tube Setting	1 SET	11632 STYLE 4						
P	43	" Flue "	1 SET	142x196	FOR LENGTH SEE BOILER					
P	44	" Test Plate	1	420D449						
	45									
	46	**GROUP 15—BOLTS AND NUTS**								
	47									
	48	**GROUP 18—BRACKETS**								
P	49	~~Air~~ ST Gauge Bracket	1	182A5101			—	18-16	—	—
P	50	~~Steam~~ AIR Gauge Bracket	—1	182A5106	PLATE		—	—	—	—
P	51	Bottom Bracket	1	184A5013			Z	—	18-3	Z
P	52	" " Caps	4	182A5029				—	18-32	
P	53	" " Bearing—Top	4	182C5036				18-29		
P	54	" " " —Bottom	4	182B5041				18-30		
P	55	" " " Wedge	4	182A5015				18-31		
P	56	" " Wedge Screw	4	182A5022		182A5022		Z		
P	57	" " " " Nut	4	"	BAR STOCK	—				
P	58	" " " " Cap	4	182B5075		182B5075				
P	59	Steam Bracket	1	187D5005		—		18-363-A		
	60	" " —Back	—							
P	61	" " Brace	1	182A5079		182A5079	—	—	—	—

Table Sheet Corr. to 142A5029 was prepared in error of 142A5029 the only change in this new style was made from card 142A5029 changing the length from 2 1/16 Long Stud 7 3/8 long, to 2 1/16 Long Stud 7 3/8 long, 14-161

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE EQUIPMENT								
	1	BRAKE CYLINDER								
	2	" "								
	3	" " Head								
	4	" " "								
	5	" " Stuff. Box Gland								
	6	" " " " "								
	7	" Piston								
	8	" "								
	9	" " Rings, Mat'l For			Pot Pattern					
	10	" " " " "			" "					
	11	" " " " "			" "					
	12	" " " " "			" "					
	13	" " Rod—Front								
	14	" " " —Rear								
P	15	" " "	2	202A5169		202A5169	—	—	—	—
P	16	" " " Jaw	2	"		"	—	—	—	—
	17	" Hollow Piston Rod								
	18	" " " "								
	19	" Strut								
	20	" "								
P	21	" ~~Equalizing~~ Reservoir Blocks & Supports	2	To Suit Erect. Shop	Blocks Made Of Wood To Suit Erect. Shop					
P	22	" " Support	2	202F5025			—	—	20-111	—
	23	" " "	—							
	24	" " "	—							
P	25	" " " Strap	2	202F5025		134F1210	—	—	—	—
P	26	" Pump Bracket	1	202F5021		—	—	—	—	—
P	27	" " " FILL BLOCK	—1	488A5045		2"x5¼"x 22 3/4"			20-614	—
	28	" Cyl. Lever Fulcrum	—							
P	29	" Equipment	1 SET	M.O. 2679-E ~~2AM5022A~~	EXCEPT 1-8½ C.C. PUMP & GDS GOVERNOR INSTEAD OF 1-9½ PUMP & GD4 GOVERNOR					
	30	" Valve								
	31	" " Base								
	32	" " Cap								
	33	" " Slide Valve								
	34	" " Stem								
	35	" " Handle								
	36	" " " Latch								
	37	" " Stuffing Box								
	38	" " " " Nut								
	39	" " " " Follower								
	40	" " Bracket								
	41	" " " Brace								
P	42	" Distributing Valve Bracket	2	B-13419 LINE A		B-13419 LINE 4	—	—	—	—
P	43	" Relief Valve	3	202A5140			Z	Z	Z	20-71
P	44	" " " —Top	3	"	STICK BRASS					20-73
P	45	" " " —Base	3	"						
	46	" —Frame Body	—							
	47	" Lever—Frame	1	488A5045		20F5075				
	48	" " "	1	"		20H5075				
	49	" " "	1	"		20J5075				
	50	" " "	1	"		20E5060				
	51	" " "	1	"		20M5075				
	52	" " "	—							
	53	" " Fulcrum—Frame	1	488A5045		20F5088				
	54	" " " "	1	"		20H5088				
P	55	" " " "	2	"		20B5096				
	56	" " Guides "	1	"		20W5047				
	57	" " " "	1	"		20V5047				
	58	" " " "	1	"		20F5103				
	59	" " " "	1	"		20E5103				
	60	" " " "	1	"		20H5103				
	61	" " " "	1	"		20W5047				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE (Cont.)								
	1	Brake Cylinder Bracket—Frame	1	488A5046	12"-30#-55#" LONG.	CHANNEL				
	2	" " " "	1	"	3/4"x12"x55#" PLATE					
	3	" Rods "	1	"		20Y5004				
	4	" " "	1	"		20N5061				
	5	" " "	1	"		20X5018				
	6	" " "	2	"		2 1/2"x2 1/2"x12"				
	7	" " "	4	"		5/8"x2 1/2"x12 1/2"				
	8	" " "	1	"	LENGTH TO SUIT E. SHOE	20V5004				
	9	"								
	10	" Beam— Truck	6	202B5212						
	11	" " Fulcrum "	6	202A5163						
	12	" " Safety Chain "	12	937A5028		20L5059		20-87		
	13	" " Loop "								
	14	" Hanger "	24	937A5028		20H5027				
	15	" " Lug "	12	202A5072						
	16	" Heads "	12	203A5009				20-632		
	17	" Shoes "	12	202A5104	(A) PAT. 20-B PURCHASED 20-054			20-22		
	18	" Lever "	3	9809 SET 6		98F71				
	19	" " "	3	"		98F107				
	20	" " "	3	"		98F108				
	21	" ROD PINS "	18	202C5016		202C5016				
	22	" " " "	2	~~202C5016~~		~~202C5016~~				
	23	" " " "	6	202J5016		202J5016				
	24	" Rod "	3	202A5037		202A5037				
	25	" " "	3	~~937A5028~~ 937A5028		20A5061				
	26	" " "	3	"		20A5062				
	27	" " "								
	28	Truck Bolster Lever Fulcrum	3	202A5054				20-625		
	29	" " Stop Lug								
	30	**GROUP 21—BUMPERS**								
	31	End Timber Arrangement—Front	1	214B5025						
	32	" " " —Rear	1	213D5040						
	33	" " Channels—Front	1	214B5025	12"-40# C. 102" LONG.					
	34	" " " —Rear	1	213D5040						
	35	" " Drawhead Blocks	2	"	4"x11"x20" WOOD BLOCKS					
	36	Push Pole Pocket	4	212A5002			21-7			
	37									
	38									
	39	**GROUP 22—CAB**								
	40	Cab	1	223J5009	PLATE					
	41	" Material Bill	1 SET	22M05006 (B)						
	42									
	43									
	44	**GROUP 23—CAB DETAILS**								
	45	Cab Arm Rest	2	232D5032						
	46	" Joint Plate								
	47	" Strap								
	48	" Saddle Angle	1			111-F-27				
	49	" " Plate								
	50	" Sash Fixture								
	51	" Storm Window	1	232T5012						
	52	" " "								
	53	" " " Adjusting Bar	1	232A5010		232A5010				
	54	" " " " Plate								
	55	" Awning								
	56	" Curtain								
	57	" " Rod								
	58	" Door Fixture								
	59	" " " Clamp	2	232A5019						
	60	" " " " Screw	2	232A5018					23-3	
	61	" " " " Slide Bar	2	232A5023		1/4"x 3/4"x 28"			23-2	

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Door Fixture Rod	2	232A5026						
	2	" Ventilator	1	232A5028	PLATE					
	3	" " ~~Fixture~~ ADJ STUD	1	"	3/8" STUD					
	4	" " Handle	1	11145		111F30				
	5	" " " Hinge	1	"		111F31				
	6	" " " Latch								
	7	" " Rod								
	8	" Seat—Right	1	232A5021	WOOD					
	9	" " —Left	1	"						
	10	" " Back Support								
	11	" " Cushion								
	12	" " Post								
	13	" " Hinge								
	14	" " Rod								
	15	" Tool Box	1	A-11154						
	16	" DOOR LOCKS	2	YALE NIGHT LOCK - RIM LATCH PURCHASED.						
	17									
	18									
	19									
	20	**GROUP 26—COCK AND VALVES**								
	21	Air Sander Valve	2	1/4" GLOBE	CRANE #4					
	22									
	23	Angle Valve								
	24	" " Cap								
	25	" " Stem								
	26	" " Gland								
	27	" " Nut								
	28									
	29	Ash Pan Cock								
	30									
	31	Bell Ringer Valve								
	32									
	33	Blower Valve AT ST. TURRET	1		1" ANGLE-UNION OUTLET CRANE #813					
	34	" " ~~Cap~~ OIL TURRET	1		3/4 GLOBE CRANE #4					
	35	" " Stem								
	36	" " Gland								
	37	" " Nut								
	38	Blow Off Cock	1		1 1/2" CRANE					
	39	" " " Cap								
	40	" " " Plug								
	41	" " " Nut								
	42	" " " Washer								
	43	" " Extension								
	44	Blow-off Valve								
	45	Injector Starting Valve R. SIDE	1		1 1/2" ANGLE-MALE INLET # 1 3/4" C.P. UNION CRANE #811					
	46	" " " ~~Cap~~ L. "	1		1 1/2" " " # 1 3/4" " " " " #811					
	47	" " " Stem								
	48	" " " Gland								
	49	" " " Nut								
	50	Brake Stop Valve—Steam	1		3/4" ANGLE MALE INLET & FEMALE OUTLET CRANE #811					
	51	" " " —Air	1		1 1/4" " " " # UNION OUTLET CRANE #811					
	52	" " " —Inter.								
	53									
	54	Cinder Swipe Valve								
	55									
	56	Cylinder Cock	6		1/2" CUTOUT COCK WITHOUT HANDLE WESTINGHOUSE #15213					
	57	" " Nut								
	58	" " Shank								
	59	" " Valve								
	60	" " Cap								
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Drip Valve Brake Exhaust Drain	—							
P	2	" " Check Pipe "	2	1/2" GLOBE	CRANE #4					
P	3	" " Exhaust "	1	1/2" "						
P	4	" " Steam Chest "	1	1/2" "						
P	5	" " Water Gauge "	1	1/4" "						
	6									
	7	Drip Cock—Brake Exhaust Drain								
P	8	" " — " " " —Air	1	1/4" AIR COCK			—	—	—	—
	9	" " —Check Pipe Drain								
P	10	" " —Fuel Sprinkler Drain	1	1/4" AIR COCK						
P	11	" " —Siphon Drain	1	3/8" " "						
P	12	" " —Oil Heater Drain	1	3/4 CRANE #1811 & 3/4 IRON PIPE UNION						
P	13	Generator Valve	1	1 1/8" ANGLE MALE INLET & FEMALE OUTLET CRANE #1811						
	14	" " Cap								
	15	" " Stem								
	16	" " Gland								
	17	" " Nut								
	18									
	19	Feed Cock	—							
	20	Heater Valve	—							
	21	OIL PIPE VALVE	1	1 1/4" GLOBE	CRANE #4					
	22	~~Lubricator Valve~~ " TANK WATER DRAIN VALVE	—/1	1 1/4" "	" "					
	23	" " Extension	—							
P	24	Oil Burner Valves	1	1/2" GLOBE	CRANE #4					
P	25	" Heater "	1	"						
P	26	" Tank Blow-Back Valve	1	"						
P	27	" " Heater Valve	1	"						
P	28	Oil Cock	1	262A5003						26-34
P	29	" " Cap	1	"						26-32
P	30	" " Plug	1	"						26-33
P	31	" " Spring	1	"	#11 WIRE					
	32	" " Washer								
P	33	SMOKE BOX DRAIN	1	1/2" CUT OUT COCK			—	—	—	—
	34	Plug Cock—Injector Check	—							
	35	" " Cap								
	36	" " Plug								
	37	" " Nut								
	38	" " Washer								
	39									
	40	Port Cock	—							
	41									
P	42	Siphon Valve	1	1 1/2" ANGLE MALE INLET & FEMALE OUTLET CRANE #811			—	—	—	—
	43									
P	44	Sprinkler Valve	1	1/2" GLOBE	CRANE #4		—	—	—	—
	45	" " Cap	—							
	46	" " Stem								
	47	" " Gland								
	48	" " Nut								
P	49	DRIFTING VALVE	1	3/4" GLOBE	CRANE #4		—	—	—	—
	50									
P	51	Steam Gauge Cock	1	1/4" CYL. COCK LEVER HANDLE & 3/8 C.P. UNION			—	—	—	—
	52									
P	53	Steam Gauge Cock Extension	1	1146 4 STYLE 1 STICK BRASS			—	—	—	—
	54									
	55	Tire Sprinkler Valve	—							
	56									
	57	Through Valve								
	58	" " Cap								
	59	" " Stem								
	60	" " Gland								
	61	" " Nut								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS AND VALVES (GAUGE, WATER AND SPECIAL)								
P	1	Gauge Cock	3	3/4" NATHAN TYPE 272A1001 EXCEPT	3/4" P.THD.					
	2	" " Valve								
	3	" " Cap								
	4	" " Stem								
	5	" " Gland								
	6	" " Nut								
	7									
	8									
	9	Gauge Cock Extension	—							
P	10	" " Dripper	1	272A5006		—	27-38	—	—	—
	11									
	12									
P	13	WATER GAUGE	1	#9 REFLEX						
P	14	" " Upper Fitting	1	3/4" NATHAN						
	15	" " " " Cap								
	16	" " " " Valve								
	17	" " " " Stem								
	18	" " " " Gland								
	19	" " " " Nut								
	20	" " " " Washer	—							
P	21	" " Lower Fitting	1	3/4" NATHAN						
	22	" " " " Cap								
	23	" " " " Valve								
	24	" " " " Stem								
	25	" " " " Gland								
	26	" " " " Nut								
	27	" " " " Washer								
P	28	" " Cock Elbow	1	272B5003		—	—	—	—	27-9
P	29	" " Lamp Bracket	1	TO SUIT ERECT. SHOP	TO SUIT ERECT. SHOP	—	—	—	—	—
	30	" " Marker "								
	31	" " " " Clamp								
	32	" " "								
	33	Water Gauge Extension								
	34	Water Gauge Cock								
	35									
	36	GROUP 28—COCK RIGGING								
	37									
P	38	Blow-off Cock Rigging	1 SET	A-11405						
P	39	" " " Handle	1	732A5027			73-6			
P	40	" " " Rod	1	3/8" PIPE TO SUIT ERECT. SHOP						
	41	" " ~~SHAFT HANDLE~~	—							
P	42	" " " " Jaw	1	A-11405			114F4	—	—	—
	43	" " " Lever	—							
	44	" " " " Fulcrum	—							
	45									
P	46	Cylinder Cock Rigging	1 SET	282A5021						
P	47	" " Eye Bolt	3	282F5005			282F5005			
P	48	" " ~~Hand~~ Lever	6	282A5014						
P	49	" " ~~SHAFT HANDLE Fulcrum~~	1	282A5006				28-2		28-77
P	50	" " Rod	1	282A5021	3/4 DIA. 78" LONG.					
P	51	" " " " Lever	3	282A5004						28-1
	52	" " " Jaws	—							
	53	" " Valve Lever	—							
P	54	" " " " Connection	3	282B5019	3/4" x 3/4" BAR IRON		—	—	—	—
	55	GROUP 30—CROSSHEAD								
P	56	Crosshead	3	302A5020						
P	57	" Shoe	6	302A5021						
P	58	" " Bolts	6	302A5020				30-6		30-5
P	59	" Pin	3	~~7813 SET 4~~	302A5042					
P	60	" Key	3	302A5036	CHROME VANADIUM					
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 31—CYLINDER								
P	1	CYLINDER	2R	314B5004			31-2	—		
P	2	"	1L	"			31-3	—		
P	3	" Frame	2R	15936			—	31-56		
P	4	" "	1L	"			—	31-56		
	5	**GROUP 32—CYLINDER DETAILS**								
P	6	Cylinder Head	3	322A5033		—	32-37	—	—	—
P	7	" " Casing	3	322A5034	PRESSED STEEL	—	—	—	—	—
	8									
	9									
P	10	Steam Chest Cover	3	322A5015		—	32-33	—	—	—
P	11	" " Casing	3	322A5039	PRESSED STEEL	—	—	—	—	—
	12	Valve Chamber Head								
	13	" " "								
	14	" " Cover								
	15	" " Bushing								
	16									
	17									
	18	**GROUP 34—CYL BY-PASS & RELIEF VAL**								
	19	Steam Chest Relief Valve								
	20	" " " " Base								
	21	" " " " Cap								
	22									
	23									
	24									
	25									
	26	**GROUP 35—DIE WORK**								
	27									
	28									
	29									
	30									
	31									
	32									
	33	**GROUP 36—DOME**								
	34	Dome	1	138J5006						
P	35	" Flange	1	362A5000	PRESSED STEEL					
P	36	" " Radius	—	29½"						
P	37	" Cap	1	362D5007						
P	38	" Ring	1	362A5009	PRESSED STEEL					
P	39	" Casing—~~Base~~	1	12040 LINE 5						
	40	" " —Shell	—							
	41	" " —Top	—							
P	42	" Flow Bowl	1	12040 LINE 5	SHEET STEEL	—	—	—	—	—
P	43	" " " Bracket	1	"	FLAT BAR	½" × ½" × 16"	—	—	—	—
	44									
	45									
	46									
	47	**GROUP 37—DRAWGEAR F & B**								
P	48	Coupler F.	1	373A5003	2-JANNEY 3½ SIZE TO AMERICAN STEEL FOUNDRY CO. 04893 EXCEPT 12" KNUCKLES INSTEAD OF 7⅞"	LIMA COUPLERS TO BE RETURNED WHEN ENG. REACHES DESTINATION		37-2		
P	49	" B.	1	"				37-2		
P	50	" Knuckles	1	372B5000				37-4		
P	51	" "	2	372K5000				37-11		
P	52	" Lock	2	372A5006				37-12		
P	53	" " Lifter	2	372A5007				37-13		
	54	" Link	—							
	55	" Lever	—							
P	56	Uncoupling Shaft	1	214B5026			37L5009			
P	57	" "	1	213D5040			104F163			
P	58	" " Bracket	3	"			104F62			
P	59	" " "	3	214B5025			37D5005			
P	60	~~Buffer~~ " LINK	2	372B5004			372B5004			
P	61	" " CLEVIS	4	372A5004			372A5004			

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 37—DRAWGEAR (Cont.)								
P	1	Drawhead	2	373A5019 ~~5003~~		—	—	37-1	—	—
P	2	Draw Gear Brace	1	A-11047 LINE 15		A-11047 LINE 15	—	—	—	—
	3	" " "	—							
P	4	" " " Foot	1	A-11047 LINE 15		—	—	37-73	—	—
P	5	" " " Foot	1	"		—	—	37-74	—	—
	6	" " Back								
	7	" " Shims								
	8	" " Pin								
	9	" " Frame—Front								
	10	" " " "								
	11	" " " —Rear								
	12	" " " "								
	13	" " Tie Plate								
	14	" " Friction Plate								
	15	" " Sliding Bar								
	16	" " " "								
	17	" " Connecting Rod								
	18	" " " " Pin								
	19	" " Yoke								
	20	" " " Block								
	21	" " " Followers								
	22	" " " "								
	23	" " " Binder Plate								
	24	" " Carrier Link								
	25	" " " Pin								
	26	" " " Plate								
	27	" Bar Guide								
	28	" " Pin								
	29	" " Carry Iron								
	30	" " " " Bolt Liner	—							
P	31	" Pin—Front	1	—		104F35				
P	32	" " —Back	1	—		104F35				
P	33	Shackle Bar	1	10853 LINE 1		108F50				
P	34	" " Key	1	"		108F20				
P	35	" " Gibs	2	"		1"×3"×5¼"				
P	36	" " Brace	1	10852 LINE 1		108F40				
P	37	" " " Pad	1	"		—		37-79		
P	38	" " " Pin	1	10851 LINE 9		108F56				
P	39	" " Pin	1	" " 5		108F60				
P	40	Safety Link	2	10849 " 4		108F35				
P	41	" " Pins	2	10851 " 6		108F61				
P	42	" " "	2	" " 2		10851 LINE 2				
	43	**GROUP 39—ECCENTRICS**								
P	44	ECCENTRIC—No. 1 Cylinder	1	392A5073				39-~~45~~ 45	Inside admission Piston valves supplied by Customer	
P	45	" No. 3 Cylinder	1	"				39-~~45~~ 45		
P	46	" No. 2 Cylinder—Top	1	392A5072				39-42		
P	47	" No. 2 Cylinder—Bot.	1	"				39-43		
P	48	" Key	2	"	CHROME VANADIUM MACH. STEEL			—		
P	49	" Stud	2	"				—		
P	50	ECCENTRIC STRAP Top	6	392B5005				39-36		
P	51	" " Bottom	6	"				39-37		
P	52	" " Bolts	12	"				—		
P	53	" " Liner	12	"				—		
	54	" " Filler	—							
	55									
P	56	ECCENTRIC ROD	3	8411 SET 2		84F30				
P	57	" "	3	"		84F34				
P	58	" " Pin	6	393D5000		—				
	59	" " "	—							
P	60	" " Bolts	12	8509 SET 9		—				
	61	" " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 42—ERECTING CARDS								
P	1	ERECTING PLAN—Elevation	1	428C5055		—	—	—	—	—
	2	GROUP 43—ERECTING CARDS								
P	3	ERECTING PLAN—Sections	1	433A5070	36" Gauge	—	—	—	—	—
	4									
	5	GROUP 44—EXHAUST PIPE & NOZZLES								
P	6	EXHAUST Drop Pipe	1	442C5052			44-418-A			
P	7	" " Pipe Flange	1	442A5056			44-69			
P	8	" Nozzle	1	442A5062			44-68			
P	9	" "	1	442B5062			44-113			
P	10	" "	1	442C5062			44-114			
	11	" " Tip								
	12	" Extension								
	13	" Gland								
P	14	" Reducer	1	442A5017			44-531			
P	15	" " Gland	1	442A5018			44-533			
P	16	" Pipe Elbow	1	442A5016			44-532			
P	17	" " Joint Ring	1	792K5029			79-22			
P	18	" "	1	442C5015	6" W.I. PIPE		—			
	19	" " Nipple	82	"			—			
	20	GROUP 45—FIREDOOR AND FIREBRICK								
	21	FIRE BRICK			FURNISHED BY Customer					
	22	" " Arch Tube								
	23	" " " " Setting								
	24									
P	25	FIRE DOOR	1	12727		—	45-2			
P	26	" " Frame	1	"		—	45-3			
P	27	" " ~~Liner~~ HINGE PIN	1	"		45A5000				
P	28	" " Latch STUD	1	"		5½" x 1" DIA.				
P	29	" " THUMB ~~Handle~~ NUT STUD	1	"		3½" x 5/8"				
P	30	" " FEED HOLE ~~Guide~~ COVER STUD	1	"		3½ x 5/8"				
P	31	" " ~~Shield~~ DEFLECTOR	1	453C5008			45-133			
P	32	" " Damper	1	12727			45-4			
P	33	" " " Bearing	1	"			45-5			
P	34	" " " "	1	"			45-6			
P	35	" " " Handle	1	"						
P	36	" " " Thumb Nuts	1	"		380S40				
P	37	" " Peep Hole Cover	1	"		380S39				
P	38	" " DEFLECTOR SHAFT	1	453C5008		45C5002				
	39									
	40									
	41	GROUP 48—FRAME AND DETAILS								
P	42	FRAME	1	488A5045		—	—	—	—	—
P	43	" Boiler Saddle RIGHT	1	482A5184	23 3/8 TO 24 3/16	—	48-707	—	—	—
P	44	" " " LEFT	1	"		—	48-708	—	—	—
	45	" " Pad Clamp								
	46	" " " "								
	47	" " " "								
	48	" " " "								
	49	" Bolster Fill Blocks								
P	50	" Centre Plate	2	482F5111	HAVE BEEN ADVISED THAT MANGANESE STEEL CASTINGS HAVE BEEN APPLIED 34-L					
P	51	" Side Bearing—Right	2	488A5045		1½" x 6½" x 14"		48-656		
P	52	" " " —Left	1	488A5045		1½" x 5" x 14"				
P	53	" Spreader	1	"		2⅞" x 5" x 14"				
	54	" Truss Pad	3	"		1" x 5" x 55¼"				
	55	" " "								
	56	" " Head								
P	57	" " ~~Post~~ ~~Head~~ OIL HEATER SUPPORT	2	488A5045		3" x 4" x 6" x 13"	—	—	—	—
	58	" " " Socket								
P	59	" " ~~Rod~~ ~~Washers~~ REINFORCING PLATE	1	488A5045		1" x 6½" x 8'-7"				
P	60	" ~~Main Truss Rod—Right~~	2	"		1" x 6½" x 10'-8"				
P	61	" " " ~~—Left~~	1	"		1" x 6½" x 9'-0"				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 48—FRAME & DETAILS (Cont.)								
P	1	~~Truss~~ ~~Rod~~ ~~Ends~~ FRAME LINER	4	488A5045		3/4" x 6" x 7"				
P	2	" " " " "	2	"		3/4" x 5¼" x 7"				
P	3	" " " " "	1	"		3/4" x 7" x 20½"				
P	4	" " " FRAME ANGLES	1	"		1" x 3½" x 6'-9½" LONG.				
P	5	" " ~~Columns~~ " "	6	"		½" x 3" x 3'-5" LONG.				
P	6	" " " " "	2	"		½" x 3½" x 3½" x 5" "				
P	7	" ~~Post~~ ~~Guides~~ " "	1	"		½" x 3" x 3'-12" "				
P	8	" " " " "	1	"		½" x 3" x 5'-12" "				
P	9	Frame Brace TO END TIMBER	1	"		4885039				
P	10	" "	1	"		5/8" x 24" x 60"				
P	11	" "	1	"		5/8" x 9½" x 60"				
P	12	" "	1	"		5/8" x 9½" x 54"				
P	13	" "	1	"		5/8" x 16" x 54"				
	14	" "	—							
P	15	Frame Pit Irons	1	488A5046		48 x 5013				
P	16	" " " ANGLE	1	"		3" x 3" x 54"				
P	17	" " "	2	"		48Y5013				
P	18	" ANGLES	1	"		½ x 6 x 6-10½" LONG.				
P	19	" End Casting	1	483C5013		—	—	48-186-D	—	—
P	20	" " Timber Brace	2	11025 SET 10		—	—	48-22		
P	21	" Angle	8	488A5046		5/8" x 6" x 6" - 7½" LONG.				
P	22	" "	8	"		5/8" x 3½" x 6" - 7½" "				
P	23	" "	3	"		5/8" x 6" x 6" - 12½" "				
P	24	" "	1	"		5/8" x 3½" x 6" - 12½" "				
P	25	" "	6	"		½" x 3" x 3" - 19½" "				
P	26	" "	2	"		½" x 3" x 3" - 13½" "				
P	27	" Smoke Box Brace Pad	2	13007 SET 1		—	—	48-15	—	—
P	28	EXPANSION PLATE	1	482A5141		—	—	—	—	—
P	29	" " Angle	1 SET	"		482A5191	—	—	—	—
P	30	FURNACE BEARER—Front	1	482A5160				48-695		
P	31	" " —Rear	1	482A5161				48-696		
P	32	" " ~~Plate~~ SUPPORT	2	482A5159				48-694		
P	33	" " Fill Blocks	2	482A5158				48-693		
	34	Boiler Pad—Right	—							
	35	" " —Left	—							
	36									
	37									
	38	GROUP 49—GAUGES, TEMPLATES & JIGS								
	39									
	40									
	41									
	42	GROUP 50—GUIDES & ATTACHMENTS								
P	43	Guide	6	502B5000		—	50-1	—	—	—
	44									
	45									
	46	GROUP 51—GRATE ARRANGEMENT								
	47	Grate Arrangement	—							
	48	GROUP 52—GRATE DETAILS								
	49									
	50									
	51	Grate Bars								
	52	" "								
	53	" "								
	54	" Center Rail								
	55	" Side "								
	56	" " "								
	57	" Cover Plate								
	58	" " "								
	59	" Shaker Pins								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 52—GRATE DETAILS (Cont.)								
	1	Grate Dead Plate								
	2	" " "								
	3	" Drop "								
	4	" Dump Shaft								
	5	" " " Bearing								
	6	" " " "								
	7	" " " Links								
	8	" " " Lever								
	9	" " Lever								
	10	" Shaker Shaft Bracket								
	11	" " " "								
	12	" " Lever								
	13	" " Shaft								
	14	" " "								
	15	" " " Lever								
	16	" " " "								
	17	" " " Hand Lever								
	18	" " " " "								
	19	" " Lever Connection								
	20	" " " "								
	21	" " Connection Bar								
	22	" " " "								
	23	GROUP 53—H'NDRAIL & STEPS (En.&Tr)								
	24	HAND RAIL								
	25	" " Bracket	2	10010			53-10			
	26	" " Balls	—			—		—	—	—
	27	" " Columns	—							
	28	" " "								
	29	" " "	2	A-11404		—	53-7	—	—	—
	30	" " "	2	A-11406		—	53-8	—	—	—
	31	" " " Blocks	2	532G5034		—	53-3	—	—	—
	32	" " " "	—							
	33	" " Flanges	2	532F5034		—	53-5	—	—	—
	34	Cab Handle—Right	2	532B5002		532B5002	—	—	—	—
	35	" " —Left	2	"		"	—	—	—	—
	36	Coal Bunk Handle—Right								
	37	" " " —Left								
	38	Tank Handle								
P	39	End Timber Handle	1	214B5025		53L5041				
P	40	" " "	1	213D5040		53E5038				
P	41	" " " Bracket	1	214B5025		53E5008				
P	42	" " " "	1	213D5040		103F122				
	43									
	44									
	45	Bottom Bracket Step	—							
P	46	Cab Step RIGHT	1	532A5078		53E5042				
P	47	" " BRACE RIGHT	1	"		53D5022				
P	48	" " LEFT	1	532A5065		53E5028				
P	49	" " "	1	"		53C5029				
P	50	" " Brace	1	"		53D5002				
	51	" " "	—			53M5028				
	52	Cylinder Step								
	53	" Hood Step								
	54	Generator Step								
P	55	End Timber Step—Front	4	214B5025		103F18	—	—	—	—
P	56	" " " —Back	4	213D5040		103F18	—	—	—	—
	57	Headlight Step	—							
	58	Pilot Step	—							
	59	" "								
P	60	Sand Box Step	1	D-4141		—	53-14	—	—	—
P	61	" " " Bracket	1	533B5003		533B5003	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 54—HEADLIGHTS, LAMPS, PLATES, ETC.								
	1	Flag Socket	—							
	2	" "	—							
P	3	Headlight {Oil / Electric}	2	16" SUNBEAM	WITH TURBO GENERATOR	—	—	—	—	—
P	4	Headlight Bracket	1 PR	10000 SET 7	PLATE	—	—	—	—	—
	5	" Columns								
P	6	" Shelf—Front	1	1/8"x16"x 26"	PLATE ROUND OFF CORNERS	—				
P	7	" " —Rear	1	1/8"x16"x 26"	" ON REAR OF PLATE 2" RAD.					
P	8	Generator Bracket	2	10003		100F3				
P	9	" Shelf	1	"	1/4"x15"x18" PLATE					
P	10	Lamp	2	DRESSEL ELECT.	PURCHASED					
P	11	"	1							
P	12	" Bracket	1	542B5011 NICKEL PLATED		542B5011 NICKEL				
	13	" "								
P	14	Number Plate	1	542A5009					54-6	
P	15	" " Stud	1	A-12969	BAR STOCK				54-169	
P	16	Builder's Card	2	542A82			54-4			
P	17	Name Plate	2	B-11138			—	—	54-401	
P	18	Patent Plate	1	542A5017		—				
	19	Property Plate	—							
P	20	Superheater Patent Plate	1K	542A105		—	—	—	54-177	—
P	21	Electrical Equipment	1	54MO5004A			—	—	—	—
	22									
	23									
	24	GROUP 55—INJECTORS & FEED, WATER								
P V	25	Injectors	2 K	#7 NATHAN LIFTING LEVER HANDLE MONITOR TYPE 88			—	—	—	—
P V	26	" Bracket	2 K	TO SUIT ERECT. SHOP	TO SUIT ERECT. SHOP		—	—	—	—
	27									
P	28	FEED WATER HEATER	K	#13 WORTHINGTON 6 SERVICE		—	—	—	—	—
	29									
P V	30	Injector Check Valve & Stop	2 K	1½ NATHAN TYPE 280-A TO NATHAN CO. 696			—	—	—	—
	31	" " Flange	—							
	32	" Stop Valve								
	33	Feed Pipe Strainer								
P	34	" " Bracket	2	552A5036		—	55-3	—	—	—
P	35	" " " Cap	2	"		—	55-4	—	—	—
	36	" Pipe Hanger	—							
	37	" Hose Connection	—							
P	38	" " " Nuts	4	553A5002			—			
P	39	" " " "	4	"					55-12	—
P	40	" " " Nipples	4	"			55-15			
	41								55-11	
	42									
	43									
	44	GROUP 57—LAGGING & JACKET								
P	45	Lagging (Boiler)	1 SET	57MO5000-A			—	—	—	—
	46	" Panel								
	47	" "								
	48	" "								
	49	" Angle Iron								
	50	" " "								
P	51	Jacket (Boiler)	1 SET	PAINTED STEEL	#22 B.W.G.	—	—	—	—	—
	52	" Band	—							
	53	" " Angle	—							
P	54	" Clamp	36	572A46		—				
P	55	" "	6	572A5004		572A5004				57-28
P	56	Plug Casing	9	572A6		—				57-4
	57	" "	—							
	58	" Cover								
	59	Cylinder Lagging								
	60	" Jacket								
P	61	" Hood	1	572J5008	PLATE	—	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
P	1	Link	3	583B5002		—	—	58-1	—	—
	2	" —Top Half	—							
	3	" —Bottom Half	—							
P	4	" Saddle	3	583B5002		81-F-17	—	—	—	—
P	5	" " Bolts	6	8511 SET 11						
	6	" " "	—							
P	7	" Block	3	582A5014		F/N. SIZES 1½"x2¼"x3"				
P	8	" " Pin	3	8512 SET 9		—				
P	9	" " Plates	6	582A5014	C.R. STEEL	—				
	10	" " Ends	—							
P	11	" Hanger	3	582A5029		81-F-34	—	—	—	—
P	12	" " Pin	3	8513 SET 3	C.R. STEEL	—	—	—	—	—
	13									
	14	GROUP 59—OIL CUPS & LUBRICATION								
P	15	Lubricator	1	NATHAN 6 FEED 5 PINT 1918 TYPE COMP. WITH ST. VALVE.						
P	16	" Bracket	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP.				
P	17	" — Oil Pump	1	MANZEL 3 FEED 4 PINT LEFT HAND RATCHET DRIVE REAR DISCHARGE PAINTED BLACK.						
P	18	Bottom Bracket Oil Cup	4	592A5006		—	59-48	—	—	—
P	19	" " " " Cap	4	"		—	59-49	—	—	—
	20	" " " " Nut	—							
	21	" " " " Plug	—							
	22	" " " " Cover	—							
	23	" " " " "	—							
	24	" " " " Hinge Lugs	—							
	25	" " " " " "	—							
P	26	" " Grease Cup	4	592A5007		—	59-50	—	—	—
	27	" " " " Cap	—							
P	28	" " " " Nut	4	592A5007		—	59-51	—	—	—
P	29	" " " " Plug	4	"		—	59-52	—	—	—
P	30	Crosshead Oil Cup	3	#3 SPRING TOP		—				
	31	" " " Cap	—							
	32	" " " Nut	—							
	33	~~Eccentric Strap Oil Cup~~ Oil Pump Conn.	1	592A5030	STICK BRASS	—				
	34	" " " " ~~Cap~~ Pin	1	"	BAR STEEL	—				
	35	" " " " " ~~Nut~~ Push Rod	1	TO SUIT ERECT SHOP		TO SUIT ERECT SHOP				
	36	Gear Oil Cups	—							
	37	" " " Covers	—							
P	38	Guide Oil Cup	3	592A5021		—	—	—	—	—
P	39	" " " Cap	3	"		—	—	—	59-41	—
	40	" " " Nut	—				—	—	59-42	—
	41	Link Oil Cup	—							
	42	" " " Cap	—							
	43	" " " Nut	—							
	44	Packing Oil Cup	—							
	45	" " " Cap	—							
	46	" " " Nut	—							
	47	Rod Oil Cup	—							
	48	" " " Cap	—							
P	49	" Grease " Plug	3	592A5025		—	59-355	—	—	—
	50	" " " Latch	—							
	51	" " " Spring	—							
	52	" " " Base	—							
	53	Tumb. Shaft Oil Cup	—							
	54	" " " " Cap	—							
	55	" " " " Nut	—							
P	56	Truck Box Oil Cup Cover—R. Box	6	TO SUIT TRUCK BOX		—	—	—	—	—
P	57	" " " " " —L. Box	6	" " " "		—	—			
	58	" " " " " Hinge Plate	—							
	59	Valve Stem Oil Cup	—							
P	60	Oil Can Shelf	1	592A5004		—	59-120	—	—	—
	61	" " " Bracket	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 60—OIL BURNER, ENGINE ONLY								
P	1	Oil Burner	1	2" A.B.C.	PURCHASED					
P	2	" " Arrangement	1	604A5008	EXCEPT OIL BURNER TO BE CLAMPED TO MUD RING AT FRONT END					
P	3	" " Support	1	"	⅜"x2"x6" PLATE					
P	4	" " Turret	1	C-11881			60-3			
P	5	" Cock Rod	1	¾" PIPE LENGTH TO SUIT ERECT. SHOP						
P	6	" " " Jaw	2	604A5008		118F186				
P	7	" " " Damper Reg. Jaws	2	"		118F186				
P	8	" Cock Shaft	1	602C5040		602C5040	—	—	—	—
P	9	" " " Arm	1	602C5036		602C5036	—	—	—	—
	10	" " " Hanger	—							
P	11	" " " Collar	1	604A5008		1"x 2⅝" DIA.				
P	12	" Pipe Support	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
P	13	" " "	2	604A5008		118F350				
P	14	" " Clamp	2	"		118F353				
	15	" " "	—							
P	16	" Heater Support	2	604A5008		118F459	—	—	—	—
	17	" " Clamp	—							
P	18	" Regulator Bracket	1	602A5006		602A5006				
P	19	" " Shaft	1	604A5008		60V5002				
P	20	" " " Arm	1	602F5009		602F5009				
P	21	" " " Hanger	1	602D5037		602D5037				
P	22	" " " Collar	1	602D5021		602D5021				
	23	" " " "	—							
P	24	" " Quadrant	1	602A5012		118F309	—	—	—	—
P	25	" " Lever	1	602A5013		—				
P	26	" " Latch	1	602A5015		118F3			60-18	
P	27	" " " Handle	1	602A5016					60-19	
P	28	" " " Spring	1	602C5021	BRASS WIRE				—	
P	29	" " " Link	1	602A5021	MACH. STEEL				—	
P	30	" " " Guide	1	602A5018					60-21	
	31	" " " Pin	—							
	32	" " Lever Dowel	—							
P	33	" " " Stop	1	602A5017	PLATE					
	34	" " " Thumb Nuts	—							
	35	" " " Adjusting Screw	—							
P	36	" Damper Regulator Quadrant	1	602A5019		602A5019				
P	37	" " " Handle	1	602A5020		118F9				
P	38	" " " Shaft	1	604A5008	1¼" W.I. PIPE 7¾" LONG.	—			60-23	
P	39	" " " " Bushing	2	602E5021		—			—	
P	40	" " " " Arm	1	602K5035		602K5035				
P	41	" Heater	1	E-11819 LINE 3	2½" PIPE		60-1			
P	42	" " Stuffing Box	2	"			—		60-2	
P	43	" " " " Follower	2	"			65-52		—	
P	44	" " " " Nut	2	"						
	45									
	46									
	47									
	48									
	49									
	50	GROUP 61—PAINT'G, LETTER'G, NUM'G								
	51	Lettering	—							
	52	Numbering	—							
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT AND SNOW PLOWS								
	1	PILOT								
	2	Pilot Band								
	3	" Bottom Plate								
	4	" Corner Iron								
	5	" Brace								
	6	" "								
	7	" "								
	8	" "								
	9	" " Rod								
	10	" Knee								
	11	" "								
	12									
	13									
	14	Snow Plow								
	15									
	16									
	17	GROUP 63—PIPE FITTINGS								
	18	Air Gauge Fitting								
P	19	" Pump Oil Fitting	1	7138	STICK BRASS	—	—	—	—	—
P	20	" " " " Nut	1	4	" "	—	—	—	—	—
	21	" " " " Swivel								
	22	" " Exhaust Wye								
	23	" " Tee								
	24									
9	25	PIPE TEE	1	6"x6"x4"	(WITH 4" PIPE PLUG SCREWED IN END.) FOR FUTURE APPLICATION OF FEED WATER HEATER					
P	26	Blower Fitting	1	632A5004			—	—	63-6	—
	27	" " Nut								
	28	Brake Release Check								
	29	" " " Valve								
P	30	MANZEL PUMP Brake ~~Ex.~~ Fitting	6 SET	632B5007	STICK BRASS	—	—	—	—	—
P	31	LUBRICATOR DRAIN ~~Nut~~ FITTING	1 "	4	" "	—	—	—	—	—
	32	Coal Sprinkler Fitting	—							
P	33	E.T. "AIR EQUIP FITTING " ~~Nut~~	3 SET	632B5007	STICK BRASS	—	—	—	—	—
	34	" " " Swivel	—							
P	35	Cylinder Oil Pipe Fitting	6 SET	632A5005	STICK BRASS	—	—	—	—	—
	36	" " " " Nut								
	37	" " " " "								
	38	" " " " Swivel								
	39	" " " Bracket								
	40	Angle Valve Nut								
	41	" " Swivel								
	42	Through Valve Nut								
	43	" " Swivel								
	44	Oil Cock Nut								
	45	" " Swivel								
	46	Lubricator Check								
	47	Steam Brake Oil Fitting								
	48	" " " " Nut								
	49									
	50	Check Pipe Union								
	51	" " " Nut								
	52	" " " Swivel								
P	53	Oil Pipe Union DAMPER CYL. UNION	4 SET	632A5005	STICK BRASS	—	—	—	—	—
	54	" " " Nut								
	55	" " " Swivel								
	56	Steam Pipe Union								
	57	" " " Nut								
	58	" " " Swivel								
P	59	DAMPER CYL. PIPE CONN	2	632A71	STICK BRASS					
P	60	" " " NIPPLE	4	632A5	BRAZING METAL					
P	61	" " " NUT	2	"	STICK BRASS.					

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Pipe Clamp								
	2	" "								
	3	" "								
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14	GROUP 64—PIPING ARRANGEMENTS								
	15	Piping Arr'g. General								
	16	" " Air Brake								
	17	" " Cooling Pipes								
	18	" " Bet. Eng. and Tender								
	19	" " Oil Heater								
	20	" " Sprinkler								
	21	" " Steam Heat								
P	22	" " DAMPER CYL.	1 SET	642A5003	(ROAD SERVICE)	—	—	—	—	—
	23									
	24									
	25									
	26	GROUP 65—PISTON AND ROD								
P	27	PISTON HEAD	3	652A5135		—	65-99			
P	28	" Packing Rings, Material For	6	653E5000	Pot Pattern		65-6			
P	29	" Rod	3	652A5123		FIN. 5/2ES 27"x 2 3/16 DIA.	—			
	30									
	31									
	32									
	33	PISTON ROD PACKING	—		Pot Pattern					
P	34	Packing Rings	9 SET	652A5153	PAXTON & MITCHELL FOR SUPERHEATED STEAM		—	—	—	—
P	35	" Spring Washer	3	7759 SET 4			65-45	—	—	—
P	36	" Swab Cap	3	652A5091			—	—	65-26	—
	37	" Follower	—							
P	38	" Stuffing Box	3	652A5055			65-41			
P	39	" " " Gland	3	652A5059			65-42			
P	40	" Vibrating Cups	3	652A5082			65-43			
P	41	" Spring	3	#13			—			
	42									
	43									
P	44	PACKING STUDS Piston Rod	12	7758 SET 4						
	45	GROUP 66—PLUGS								
	46	Arch Tube Plug	—							
P	47	Back Head Plug (Prime)	3	1 7/8" x 11 1/2 THDS. TAPER 3/4 IN 12"						
	48	Crown Plug	—							
	49	Ecc. Strap Plug	—							
P	50	Firebox Plug (Prime)	4	1 7/8" x 11 1/2 THDS TAPER 3/4" IN 12"						
	51	" "								
	52	Fusible Plug								
	53	Indicator Plug								
	54	Smoke Box Plug								
	55	Tube Sheet Plug								
	56	Test Plug								
P	57	Waist Plug (Prime)	3	1 7/8" x 11 1/2 THDS. TAPER 3/4" IN 12"						
	58	Washout Plug Valve								
	59	" " " Cap								
	60	" " Flange								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 68—REVERSE LEVER								
	1	Reverse Lever	1	—		83F97				
	2	" " Arrangement	1	683J5004		—				
	3	" " Handle	1	D-1315 LINE 4		—				
	4	" " Latch	1	682A5039		83F49 1" FIN. SIZES 1½" x 2" x 3½"			68-3-A	
	5	" " " Guide	1	"						
	6	" " " Rod	1	"		83F109 3" FIN. SIZES ¾" x 1" x 2⅝"				
	7	" " " Details	1	"						
	8	" " Quadrant	1	682A5017		83F42				
	9	" " "	1	"		83F50				
	10	" " " Plate	1	682B5041	PLATE	—	—	—	—	—
	11	" " Foot Rest	—							
	12	" " Shaft	1	682J5008		682J5008	—	—	—	—
	13	" " " Length	—	9⅜" CTR. TO CTR.			—	—	—	—
	14	" " Arm								
	15	" " Fulcrum								
	16	" " " Bracket								
	17	" " " Pin								
	18	" " Shaft Stand	1	5471 SET 2		83F65				
	19	" " Quadrant Bracket	1	488A5045		109F124				
	20	" " " "	1	"		68B5017				
	21	" " " "								
	22									
	23									
	24									
	25									
	26	GROUP 69—REVERSE SHAFT								
P	27	TUMBLING SHAFT	1	692H5047	ANGLE B=5°	692H5047	—	—	—	—
	28	" " Arm	—							
	29	" " Collar	—							
	30	" " Box	3	8215 SET 2			69-5			
	31	" " " Cap	3	"			69-6			
	32	" " Coupling Ball	2	8316 SET 2			69-2			
	33	" " " Socket	2	"			69-3			
	34	" " " Cap	2	"			69-3			
	35	" " " Sleeve	1	"		FIN. SIZES 1½" HEX. 3½" LONG				
	36	" " " Conn.	1	"		1½" " 8 5/16" "				
	37	" " " "	1	"		1½" " 3¼" "				
	38	" " " Nut	1	"		—				
	39									
	40	GROUP 71—RUNNING BOARDS								
	41	RUNNING BOARD	1 SET	717A5028	WOOD					
	42	" "	—							
	43	" " Bracket	8	488A5045		71A5028	—	—	—	—
P	44	" " " ON BOILER	1	712N5031		712N5031	—	—	—	—
	45	" " "	—							
	46	" " "								
	47	" " "								
P	48	" " " Engine RIGHT	1	712E5051	PLATE	—	—	—	—	—
P	49	" " " " LEFT	1	712F5051	"	—	—	—	—	—
	50	" " " "	2	713L5019	"					
	51	" " " "	1	712B5063	"					
	52	" " " "	—							
	53	" " " "	—	2" x 2" TO SUIT ERECT. SHOP		3½" x 3½" x 26" WOOD BLOCKS.	—	—	—	—
	54	" " " "	—							
	55	" " " Tender	1 SET	A-10917 LINE 4						
	56	" " " "	1	10937 LINE 5	PLATE					
	57	" " " "	1	" " 6	"					
P	58	" " " "	2	1610 LINE 4		109F404				
P	59	" " " "	2	"		109F382				
	60	" " " "	—							
	61	" " " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS								
	1	Connecting Rods	3	723C5003		89F32				
	2	" " Brass, Xhd End	3	722A5035		"			72-12	
	3	" " " " "	3	"					72-12	
	4	" " " Crank "	3	722A5021					72-70	
	5	" " " " "	3	"					72-70	
	6									
	7	Connecting Rod Strap	3	722B5086		722B5086 1¾" FIN. SIZES 1¾" x 2½" x 3¾"				
	8	" " Wedge—Top	3	723C5003		2" x 2½" x 2¾"				
	9	" " " —Bottom	3	"						
	10	" " Key—Top	3	"		89F35				
	11	" " " —Bottom	—							
	12	" " Wedge Liner	—							
	13									
	14									
	15									
	16	GROUP 73—SAND BOX								
	17	Sand Box—Front	1	733A5000					73-69	
	18	" " Base	1	12247 LINE 4						
	19	" " Top	1	733A5000	PRESSED STEEL				73-31	
	20	" " Lid	1	732B5000					73-4	
	21	" " Valve	2	732A5022					73-20	
	22	" " Lever—Short	1	733A5000						
	23	" " " —Long	1	"		73A5000			73-6	
	24	" " Rod Handle	1	732A5027						
	25	" " Rigging	2	733A5000		¼" x 1¼" x 17¾"			73-93	
	26	" " Rod	1	⅜" PIPE TO SUIT E.S.						
	27	Air Sander	4	732A5002						
	28	" " Nozzle	4	"					73-5	
	29	Sand Box—Flue	1	12227 LINE 1	STICK BRASS PLATE				73-314	
	30	" " Funnel	1	732A5033	GALV. IRON				73-12	
	31	" " Scoop	1	"						
	32	SAND BOX—Back	1	732B5032	PLATE					
	33	~~Back~~ Sand Box ~~Arrangement~~ FLUE HANDLE	1	12227 LINE 1		15IF98				
	34	BACK " " Base	2	732A5025						
	35	" " " Top	2	732A5024						
	36	" " " Covers	2	"						
	37	" " " Valve	—							
	38	" " " Shaft Hanger								
	39	" " " " " Caps								
	40	FRONT " " ~~Hand Lever~~ STUDS	4	733A5000	⅝" DIA. LENGTH TO SUIT E. SHOP		—	—	—	—
	41	" " " " ~~Fulcrum~~ BOLTS	4	"		530S85	—	—	—	—
	42	" " " " Rod								
	43	" " " Horiz. Lever								
	44	" " " " " Fulcrum								
	45	" " " " " Guide								
	46	" " " Rod Jaws								
	47	" " " " "								
	48	" " " Shaft								
	49	" " " " Lever								
	50	" " " " "								
	51	" " " Valve Lever								
	52	" " " " Rod								
	53	" " " " "								
	54	" " " " " Conn.								
	55	" " " Rod Bell Crank								
	56	" " " " " " Fulcrum								
P	57	" " " Brace	2	—		TO SUIT ERECT. SHOP	—	—	—	—
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS			FOR GREASE LUBRICATION AFTER 8-15-29					
0	1	COUPLING RING —Front	2	743A5010	743 A 5094			74-16	—	
0	2	" " Half "	4	743B5010	B "			74-17	—	
0	3	" " Bushing "	8	742A5035				—	74-19	
0	4	" " Oil Cellar "	8	742A5034	74v A5389		74-18	—		
0	5	" " —No. 2	2	743A5010	743 A 5094			74-16		
0	6	" " Half "	4	743B5010	B "			74-17		
0	7	" " Bushing "	8	742A5035				—	74-19	
0	8	" " Oil Cellar "	8	742A5034	74v A5389		74-18	—		
	9	" " —No. 3								
	10	" " Half "								
	11	" " Bushing "								
	12	" " Oil Cellar "								
0	13	" " —Rear	2	743A5010	743 A 5094			74-16	—	
0	14	" " Half "	4	743B5010	" B "			74-17	—	
0	15	" " Bushing "	8	742A5035				—	74-19	
0	16	" " Oil Cellar "	8	742A5034	74v A5389		74-18	—		
	17									
0	18	CRANK SHAFT	1	745A5006	#63	157F19	—	—	—	—
	19	Counterbalance								
	20	" Weight								
	21	" "								
	22	" "								
	23	" Yoke								
	24	" "								
0	25	Horn Coupling	2	742A5267		—	—	74-27	—	—
	26	" "								
0	27	" " Key	2	9060 LINE 2		90F2	—	—	—	—
	28									
	29									
0	30	LINE SHAFT—Front Truck	1	743A5070		FIN. SIZES 8 1/2" X 42 DIA.	—	—	—	—
0	31	" " —2nd "	1	"		FIN. SIZES 9" X 42 DIA.	—	—	—	—
	32	" " —3rd "	—							
0	33	" " —Rear "	1	743A5070		FIN. SIZES 8 29/16 X 42 DIA.	—	—	—	—
0	34	" " Bearings, Outside—Front	2	742B5136						74-811
0	35	" " " Inside "	2	"						74-811
0	36	" " " Outside—2nd	2	"						74-811
0	37	" " " Inside "	2	"						74-811
	38	" " " Outside—3rd	—							
	39	" " " Inside "	—							
0	40	" " " Outside—R'r	2	742B5136			—	—	—	74-811
0	41	" " " Inside "	2	"			—	—	—	74-811
	42	" " " Plate—Front								
	43	" " " " —2nd								
	44	" " " " —3rd								
	45	" " " " —Rear								
0	46	" " Collar	6	742D5192						
0	47	" " "	5	742A5229				74-342		
0	48	" " "	1	742L5143				74-360		
	49	" " "						74-334		
	50	" " "								
	51	" " "								
	52	" " "								
	53	" " "								
	54	" " "								
0	55	" " Coupling	2	742A5273			—	—	—	—
0	56	" " "	2	"			—	—	—	—
	57	" " "						74-489		
	58	" " "						74-489		
	59	" " "								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS (Cont.)								
	1	LINE SHAFT Coupling Key								
	2	" " " "								
	3	" " " "								
	4	" " Collar "	1	742A5106	R29512 1 Pinion 7-7-26			74-204A		
0	5	" " Pinion	6	742B5106	For future Repairs furnish pinions with keys 7/8" deep instead 7/8" furnish new keys. H.W.S. 6-30-26			74-204-A	—	—
	6	" " "			Pinion Key 5"+1"+5/8"					
	7	" " "								
	8	" " "								
0	9	" " Washer	6 Pc.	742A5196	R.29512			74-418	—	—	—
	10	" " "								
	11	" " "								
	12	" " "								
0	13	GEAR RIM	6	743A5048			—	—		74-203-A
0	14	" " Bolt	48	742A5254				742A5254		
0	15	" " Key	24	8824 SET 10				8824 SET 10		
0	16	SQUARE SHAFT—Front	1	742B5250	Sent 1-EACH P.50653 7-6-45.			742B5250		
0	17	" " —Back	1	742N5250	"			742N5250		
0	18	" " —Center	1	742B5250	"			742B5250		Sent 1-10-21-1946-HCH.
	19	" "	—							
0	20	" " Sleeve CENTER	1	742E5110	5288 for Grease Lubricators 8-13-29			—	—	Sent 1-10-21-1946-HCH. 74-317
0	21	" " " FRONT	1	742D5110				—	—	74-316
0	22	" " " REAR	1	742F5110	Sent 1-EACH P.50653 7-6-45			—	—	74-316
	23	" " "								
	24									
	25									
	26	GROUP 75—SMOKE BOX AND STACK								
0	27	SMOKE BOX ARRANGEMENT	1	813B5010						
0	28	" " Deflecting Plate	1 SET	A-12938 LINE 2	PLATE					
0	29	Deflecting Plate Angle	2 1	A-12938 "		129F261 129F82				
0	30	Draft Pipe	1 SET	813B5010	PLATE					
0	31	" " Hanger	2	"		129F203				
0	32	" " "	2	"		129F173				
	33	" " "								
0	34	" " " Key Bolt	6	813B5010		75A5030	—	—	—	—
	35	Netting Frame								
0	36	~~Ring~~ DEFLECTOR PLATE ANGLE	1	A-12938 LINE 2		129F265				
	37	Cinder Pocket								
	38	" Pot Base								
	39	" " Lid								
	40	" " Hand Wheel								
	41	" " Yoke								
	42	Cleaning Hole								
	43	" " Flange								
	44	" " Cover								
0	45	Peep " Flange	2	752B5054			—	75-62		
0	46	" " Cover	2	752A5055			—	75-66		
0	47	SMOKE BOX Brace—Right	1	TO SUIT ERECT. SHOP		75K5034	—	—		
0	48	" " " —Left	1	" " " "		75K5034	—	—		
0	49	" " " Pad	2	752A5047						
0	50	" " " Pin	2	13002 SET 2				75-10		
0	51	" " " Washer	2	13003 " 3						
0	52	SMOKE BOX FRONT	1	A-12970 LINE 1 PLATE						
0	53	" " " Door	1	"						
	54	" " " Liner	—							
	55	" " Door Liner	—							
0	56	" " " Buttons	15	752A5079			—	75-455		
0	57	" " " Hinge	1	"		75A5008				
0	58	" " " "	1	"		75A5003				
0	59	" " " " Lug	1	"						75-25
0	60	" " " " "	1	"						75-26
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX & STACK (Cont.)								
C	1	SMOKE STACK (Type TAPER)	1	752B5024		—	75-29	—	—	—
	2	Smoke Stack Base								
	3	" " Extension								
	4	" " Top								
	5	" " Cone								
	6	" " " Bracket								
	7	" " " Brace								
	8	" " " "								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11	" " Hood								
	12	" " Ring								
	13	" " "								
	14	" " " Angle								
O	15	" " Saddle	1	752B5033		—	75-34	—	—	—
	16									
	17									
	18	GROUP 76—SPRINGS								
I	19	Truck Bolster Springs	60	762A5003		—	—	—	—	—
	20	" Pedestal "	—							
	21	Drawgear Springs	—							
	22									
	23									
	24									
	25									
	26	GR'P 78—STE. GAUGE SAF. VAL. & TUR.								
O	27	Steam Gauge	1	5½ ASHCROFT BRASS RING.						
	28									
O	29	Safety Valve	2	2" CONSOLIDATED TYPE "H" 200#						
	30	" "	—							
	31	" " Elbow								
	32	" " Turret								
	33	" " " Bushing								
	34	" " " Ring								
	35	" " " Casing								
	36	" " " Flow-Bowl								
	37	TURRET	1	783P5006	CUT OUT FLANGE TO CLEAR STAY BOLT CAPS					
	38	" Ball Joint	1	A-11424 SETLINE 1			78-1			
	39	" Stuffing Box	1	782A5005			78-5			
	40	" " " Nut	1	"	STICK BRASS		78-2			
	41	" " " Follower	—							
	42	" Master Valve	1	782A5005						
	43	" " " Nut	1	"	STICK BRASS		78-3			
	44	" " " Stem	1	"	" "					
	45	" " " Hand Wheel	1	"			27-14			
	46	" Bonnet Ring	1	"						
	47	Turret (Auxiliary)					78-4			
	48	GROUP 79—STEAM PIPES & TEE HEADS								
	49	STEAM PIPES	1	792B5019	4" PIPE		—			
	50	" " Slip Joint	1	792B5040			79-90			
	51	" " " " Gland	1	"			79-91			
	52	" " Elbow	1	792A5024			79-632			
	53	" " " Support	1	792B5027		792B5027	—			
	54	" " Tee Head								
	55	" " Joint Ring—~~Top~~	1	792S5029		—	79-12	—	—	—
	56	" " " " —Bottom	1	792A5053		—	79-31	—	—	—
	57	" " " "	—							
	58	" " " " Gland	—							
P	59	" " Casing	1 Pc.	B-12151		—	79-92	—	—	—
	60	" " Flange	—							
	61	" " Nipple	—							

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 81—SUPERHEATER								
O	1	Superheater Arrangement	1	813B5010		—				
O	2	" Header	1	813A5019	supersedes old card.	—				
O	3	" " Support	1R.	440B388	PURCHASED					
O	4	" " "	1L.	812A5012		812A5012				
O	5	" Return Bends	1 SET.	FORGED						
O	6	" UNIT CLAMP BOLT NUT	10	812A82						
O	7	" Tube End	20	812C45						
	8	" " Joint	—							
O	9	" " Clamp	10	812A44		—				
O	10	" " " Washer	20	812B42		812B42				
O	11	" " " Bolt	10	812A38		812A38				
O	12	" " " " Washer	10	812EA42		812EA42				
O	13	" " Support	10	812A84	PURCHASED					
O	14	" " Bands	10	812A85	"					
O	15	" Unit	1 SET	813E5009	"					
O	16	" Damper	1	812AH10	supersedes old card					
O	17	" " Cyl.	11	440B235	PLATE					
	18	" " " Arm	—	5CYLCP-4L-1143A	PURCHASED					
O	19	" " " Support	1	812E27		—	81-9	—	—	—
O	20	" " Arm	1	812A5010		812A5010	—	—	—	—
	21	" " Rod	—							
O	22	" " Shaft	1	812F43		812F43	—	—	—	—
	23	" " "	—							
O	24	" " " Bearing PS.	1	A-12966 LINE 1		—	81-30	—	—	—
O	25	" " " " LS.	1	812P40		—	81-16	—	—	—
	26	" " " "	—							
	27	" " " "	—							
O	28	" " " Link	1	812N5002		812N5002	—			
O	29	" " Counterweight	1	812A18		—	81-31			
O	30	" " " Arm	1	812A5001		812A5001	—			
O	31	" " Hinge	1	813H110 ~~440D235~~	supersedes old card	940-S-58	—			
	32	" " Flag	—							
O	33	" Deflector Handle	2	752A79		752A79				
O	34	" " Clamp	4	812B51		3/4 x 2 3/4 x 4				
O	35	" " Plate Stud	6	812A51						
	36	GROUP 82—TANK VALVES								
O	37	TANK Valve—Water	2	823A5006			—			
O	38	" " Body	2	"			82-23			
O	39	" " " Plate	2	"			82-19			
O	40	" " Bottom Plate	2	"			82-20			
O	41	" " Top "	2	"			82-18			
O	42	" " Cap	2	"			82-16			
O	43	" " Seat	2	"			—			
O	44	" " Stem	2	A-15147 STYLE 2		151F2				
O	45	" " " Nut	2	823A5006			82-17			
O	46	" " " Handle	2	"			82-14			
O	47	" " " Clamp Nut	2	"			82-15			
O	48	" " Strainer	2	"			—			
	49	Siphon Arrangement	—							
O	50	Siphon	1	822A5000			82-88			
	51	" Tube	1	"			82-30			
O	52	" ~~Pipe Flange~~ BRACKET	1 SET	822A5028	PLATE					
	53	" Goose Neck	—							
	54	" Stand Pipe								
	55	" " " Flange								
	56	" " " "								
	57	" Hose Strainer								
O	58	" " " Body	1	15142 LINE 3			82-24			
O	59	" " " Cap	1	"			82-25			
O	60	" " Nipple	2	11329 LINE 4	4" PIPE		—			
O	61	" " Bracket	5			113F15				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 82—TANK VALVES (Cont.)								
0	1	Tank Valve—Oil	1	~~New cd. A-15163~~ 822A5029			—		82-53	
0	2	" " Seat	1	"			82-54			
0	3	" " Cap Plate	1	"			82-55			
0	4	" " Plate	2	"			82-56			
0	5	" " Rod	1	"	LENGTH TO SUIT ERECT. SHOP	151F55				
0	6	" " Screen	1	"						
0	7	" " Nut	1	"						
0	8	" " Flange	1	~~11305 Set 1~~	822F5002		82-39			
0	10	" " Stem	1	B-15113		B-15113				
0	11	" " " End	1	B-15115 LINE 8	5/8 x 47"					
0	12	" " " Stuffing Box	1	822A5022						
0	13	" " " " " Nut	1	A-15171	STICK BRASS				82-58	
0	14	" " " " " Gland	1	"					82-57	
0	15	" " " " " Follower	1	"	STICK BRASS				82-60	
0	16	" Cock	1	~~1¼ STOP COCK~~					—	
	17	" Cooler Cock	—							
0	18	Tank Measuring Rod	1	823E5001		3/8 x 1" x 83½"	—			
0	19	" " " Flange	1	A-15130			82-132			
0	20	" " " Handle	1	"			82-133			
0	21	" " " Guard	1	"	30" x 1¼" PIPE		—			
0	22	" " " "	1	"	15" x 1¼" "					
	23									
	24	**GROUP 83—TANK—ENGINE**								
0	25	Fuel Bunk	1	833A5007	PLATE		—	—	—	—
	26	" " Rack								
	27	" " Tie Rod								
	28	" " Straps								
0	29	" " Lugs	4	833A5007			—	—	—	—
	30	" " Gate	—							
	31									
	32									
	33	**GROUP 85—TENDER FRAME**								
0	34	Tender Frame	1	16101 LINE 8	For New Work see cd. 9514A5005					
0	35	" " Angle	6	"		½ x 6" x 6" x 7½" LONG				
0	36	" " "	4	"		½ x 3½" x 6" x 7½" "				
0	37	" " "	2	"		½ x 3" x 5" x 10 3/8" "				
0	38	" " "	18	"		½ x 3½" x 3½" x 7½" "				
0	39	" " Bolster—Top	2	"		½ x 3" x 3" x 15 3/8" "				
	40	" " " —Bot.	—							
0	41	" " Brace TO DRAWHEAD	2	~~17 3/8" x 3" x 5/8"~~ 15 3/8" x 5/8"	PLATE		—	—	—	—
	42	" " "	—							
	43	" " "	—							
		ADVISED THAT MANGANESE STEEL CASTING HAS BEEN APPLIED 3/9-27								
0	44	Frame Centre Plate	1	482F5111					48-656	
0	45	" End Casting	1	853B5002					85-20	
0	46	" " Timber Brace	2	11025 Set 10					48-22	
0	47	" Side Bearings	2	9671 Set 8			48-152			
	48	**GROUP 87—TENDER DECK, TOOL BOX**								
	49	Tool Box	—							
	50									
	51	**GROUP 88—TENDER TANK**								
0	52	Tank—Water	1	883D5006						
0	53	" Material Bill	1 Set	88MD5003						
0	54	" Funnel	1	882G5018	PLATE					
0	55	" " Lid	1	"	"					
0	56	" " ~~Hinge~~	2	"		151F97				
0	57	" " Handle	1	"		151F98				
0	58	" " Hinge Lug	2	"		151F96				
0	59	" " " Pin	2	"		882C5018				
0	60	" " Angle	1	"		88A5001				
0	61	" Lug	4	882D5016		882D5016				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 88—TENDER TANK (Cont.)								
0	1	Tank—Headlight Bracket	2	883D5006		100F10				
0	2	" —Ladder	1 Pr	A-15103	/R	151F20	—	—	—	—
0	3	" "			/L	151F20				
0	4	" ~~Coal Gate~~ Oil HEATER PIPE BUSHING	1	882A5019	STICK BRASS		—			
0	5	" ~~Fuel Rack~~ OIL TANK STRAINER RING	1	882B5017		88B5009				
0	6	" —Shoveling Sheet	1	3/16 x 55½" x 121½"	TANK STEEL		—	—	—	—
0	7	" " "	1	OIL STRAINER						
0	8	Tank—Oil	1	882B5017	#12 B.W.G. 2½" x 2½" MESH.					
0	9	" Material Bill	1	883C5047						
			1 Set	88MD5059						
0	10	" Funnel	1	B-15108 LINE 3						
0	11	" " Cover	1	"	PLATE					
0	12	" " " Eye Bolts	2	"		470S143				
0	13	" " " Tail Nuts	2	"		470S13				
0	14	" " " Handle	1	"		151F98				
0	15	" " Lug	2	"		470S144				
0	16	" " "	1	"		470S145				
0	17	" " Ring	1	"		151F110				
0	18	" " Angle	1	"		151F105				
0	19	" Lug	2	"		151F60				
0	20	" "	2	882A5007		882A5007				
	21	**GROUP 91—THROTTLE & DRY PIPE**								
0	22	Throttle Arrangement	1	913G5013			—			
0	23	Throttle Valve	1	912A5079			91-7			
0	24	" Case	1	B-12139 LINE 3			91-147-B			
0	25	" Valve Stem	1	912L5057		912L5057	—			
0	26	" " " Stop	1	B-12158 LINE 3		B-12158 LINE 3	—			
	27	" Pipe Elbow								
	28	" Pipe Flange								
	29	" " Joint Ring								
0	30	" Bell Crank	1	B-12143		B-12143	—	—	—	—
	31	" " " Fulcrum	—							
	32	" Pipe Support	—							
0	33	" " Yoke	1	913G5013		91G5012	—	—	—	—
0	34	" " Bracket	1	"		121F110	—	—	—	—
	35	" " "	—							
0	36	" Stuffing Box	1	912A5050		—	91-14	—	—	—
0	37	" " " Gland	1	"		—	91-15	—	—	—
	38	" " " Flange								
	39	" Baffle Plate								
	40	" "								
	41	" " " Handle								
	42	" " " Angle								
	43	" " " Studs								
	44	" " " Nuts								
	45	" " " Keys								
0	46	THROTTLE LEVER	1	913A5018		121F70			68-3-A	
0	47	Throttle Lever Handle	1	D-13154 LINE 4						
0	48	" " Latch	1	913A5018		1¼" x 2½" x 5¼"				
0	49	" " " Rod	1	"		121F68				
0	50	" " Links	2	"		121F136				
0	51	" " Quadrant	1	"						
0	52	" " Fulcrum	1	B-12103 LINE 2		91B5030				
	53	" " Guide	—							
0	54	" " Rod	1	913A5018						
0	55	" " Support	1	"		121F22				
0	56	DRY PIPE	1	912D5086	4½" PIPE	121F75	—			
0	57	" " Ring	1	"						
0	58	" " Support	1	912A5033			91-150			
0	59	" " "	1	"		91A5013	—			
0	60	" " ~~Yoke~~ JOINT RING	1	792H5053	BACK	91A5014	—			
0	61	" " Elbow	1	792H5029	FRONT		79-40			
			1	912D5086			79-21			
							91-401			

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS								
	1	Brake Shoes								
	2	Chisel—Cape								
	3	" —Flat								
	4	Hammer—Soft			Wood Handle					
	5	Jack Screw								
	6	" " Cap								
	7	" " Base								
	8	" " Collar								
	9	" "								
	10	" " Cap								
	11	" " Base								
	12	" " Collar								
	13	Journal Brass Rod								
	14	Packing Hook								
	15	" Spade								
	16	Pinch Bar								
	17	Jack Bar								
	18	Torch								
	19	" Cap								
	20	" Nozzle								
	21	Valve Tram								
D	22	Wrench List	1 SET	92M05009-B						
	23	Ash Hoe	—							
	24	" " Handle	—							
C	25	~~Clinker Hook~~ TOOL EQUIPMENT	1 SET	923A5004						
	26	Poker								
B	27	Wrecking Frogs INSIDE	IX	923A5005		—	—	92-66	—	—
B	28	~~Grease~~ " OUTSIDE	1	923A5006		—	—	92-67	—	—
	29	Oil								
	30	GROUP 93—TRUCKS & DETAILS								
D	31	TRUCK Plan —	3	937A5028		—	—	—	—	—
D	32	" Bolster —	3 SET	933A5118		—	—	—	—	—
D	33	" " FOR TRANSPORTATION ~~End Casting—R.~~	3 SET	932A5478	OAK TIMBER	—	—	—	—	—
	34	" " " " —L.	—							
C	35	" " " Separator —	6	932A5300		—	—	93-163	—	—
C	36	" " Spring Centers —	120	A-9548		—	93-53	—	—	—
	37	" "								
	38	" "								
	39	" " Brake Rod Roller								
	40	" " " " " Brkt.								
	41	" " " Lever Guide								
	42	" " " " "								
D	43	" Center Plate —	3	932A5415	ADVISED THAT MANGANESE STEEL CASTINGS HAVE BEEN APPLIED 3/1-27	—	—	93-133	—	—
D	44	" Side Bearing Base —	6	932A5250		—	93-6	—	—	—
D	45	" " " Block —	4	~~932J5404~~ 932J5404		—	93-81	—	—	—
			2	932L5404		—	93-81	—	—	—
D	46	" Frame RIGHT —	3	933B5057		—	—	—	—	—
D	47	" " LEFT —	3	933B5059		—	—	93-678	—	—
D	48	" " Splice —	3	4		FIN. SIZES 1½"x3½"x18"	—	93-681	—	—
	49	" " "								
	50	" Right Arch Bar								
	51	" Left Arch Bar								
	52	" Right Inverted Arch Bar								
	53	" Left Inverted Arch Bar								
D	54	" Bottom Tie Bar RIGHT —	3	932B5405		932B5405	—	—	—	—
D	55	" " " " LEFT —	3	932B5406		932B5406	—	—	—	—
	56	" " " " Angle								
	57	" " " " "								
	58	" " " Fill. Block								
	59	" Column—Right								
	60	" " —Left								
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 93—TRUCKS & DETAILS (Cont.)								
D	1	Truck Crosstie Bar—Top —	3	932A5475		A5475				
D	2	" " " " —	3	932B5475		B5475				
D	3	" " " " Angles —	3	932A5475		A5475				
D	4	" " " " " —	3	932B5475		B5475				
D	5	" " " —Bottom —	6	932V5367		932V5367				
	6	" " " " —	—							
D	7	" " " " Fill Block —	12	932V5367		1½"x3"x5"	—			
D	8	" " " —Center —	3	932A5474		¾"x4"x6" ANGLE 54¾" LONG				
D	9	" " " " —	3	932B5474		¾"x4"x6" " 54¾" "				
D	10	". Diagonal Braces —	12	937A5028		937J6000	—			
	11	" " "								
	12	" " "								
	13	" " "								
D	14	" Equalizer —	3	932A5191	Future NEW WORK	932A5191				
D	15	" Gear Cover —	3	932A5409	PLATE					
D	16	" " " —	3	932B5409	"					
D	17	" " " —	3	932A5410	"					
D	18	" " " —	3	932B5410	"					
D	19	" " " Bracket —	6	932A5408		932A5408				
D	20	" " " " —	6	932B5408		932B5408				
D	21	" " " " GUIDE —	12	932A5260		932A5260				
	22	" " " "	—							
	23	"	—							
D	24	" King Bolt —	3	10153 SET 1		10153 SET 1				
D	25	" " " Key —	3	" " 4		" " 4				
D	26	" Safety Chain—To Frame — FRONT OF FRONT CYL	2	932C5178		932C5178 D				
D	27	" " " " " FRONT OF CENTER CYL	1	932B5178		932B5178 BK				
D	28	" " " " " FRONT OF CENTER CYL	1	932A5178		932A5178 W				
D	29	" " " " " REAR OF REAR	2	932B5178		932B5178 W				
	30									
D	31	TRUCK BOX—Right —	6	933A5056		—	—	—	93-682	—
	32	" " "								
	33	" " "								
	34	" " "								
D	35	" " Cap—Right —	6	932A5181		—	—	—	—	—
	36	" " " "								
	37	" " " "								
	38	" " " "								
D	39	" Pedestal —	6	933A5055		—	—	—	93-674	—
D	40	" " Cap —	6	932A5175		—	—	—	—	—
D	41	" " " Shim —	24	"		⅛"x1⅜"x9½"	93-677	—	—	—
D	42	" " " " —	24	"		1/16"x1⅜"x9½"		—	—	—
D	43	" " " " —	12	"		4"x1⅜"x9½"		—	—	—
D	44	" Box "IN SIDE" —	6	932B5174	Future NEW WORK			—	93-676-A	—
D	45	" Box—Inside —	3	932A5174	Future NEW WORK Like 5-15-26			—	93-676	—
D	46	" " Cap—Inside —	3	"				—	93-676	—
	47	" Inside Box Spring Center	6	932D5173	FUTURE NEW WORK LIKE 5-5-26					
D	48	" " Thrust Plate —	6	932A5173			93-675	—	—	—
D	49	" Journal Brass —	6	932D5481	FUTURE NEW WORK LIKE 5-5-26					
	50	" " " Wedge	13	9305 SET 4			—	—	—	93-24
D	51	" INSIDE BOX SHIMS —	18	932A5182			—	—	—	93-679
D	52	" " " " —	12	932B5446	PLATE	⅛" THICK				
D	53	" " " "	24	"	"	1/16" "				
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

LED 60-28

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 94—VALVES—DISTRIBUTION								
	1	Piston Valve	1		Customer says Piston Valves on this Loco.					
	2	" " Follower								
	3	" " T-Ring								
	4	" " Snap Ring								
D	5	Slide Valve	3	942A5030		—	94-24	—	—	—
D	6	" " Plate	3	"		—	94-25	—	—	—
	7	" " Packing Strip	—							
	8	" " " "	—							
C	9	" " Ring—Mat'l For	3	653L5001	Pot Pattern	—	65-91	—	—	—
C	10	" " Spring	3	762A6009		—	—	—	—	—
	11									
	12									
	13	VALVE STEM	—							
J	14	" " Crosshead	3	8018 SET 4		Z	94-4	Z	Z	Z
C	15	" " " Guide	3	942A5032			94-9			
C	16	" " " " Plate	6	"			94-10			
	17	" " " Gibs	—							
	18									
C	19	VALVE YOKE	3	7601 SET 6	942B5060	76F25	—	—	—	—
	20	" " Block	—							
C	21	" " Key	3	8006 SET 2	CHROME VANADIUM	—	—	—	—	—
D	22	VALVE STEM PACKING	2 LBS. VULCABESTON C.C. PACKING. DIA OF VALVE STEM 1 3/16" DIA. OF STUFFING BOX INSIDE 2 1/4" FOR SUPER. ENG'S. (JOHNS-PRATT CO)							
	23	Packing Rings								
	24	" Spring Washer								
	25	" Swab Cup								
	26	" Vibrating Cup								
	27	" Follower								
D	28	" Stuffing Box	3	652A5116		—	65-463	—	—	—
D	29	" " " Gland	3	"		—	65-464	—	—	—
	30	" Spring	—							
	31	" Studs, Valve Stem	—							
	32									
	33	GROUP 95—WHEELS AND TIRES								
B	34	Wheel	12	953A5042		—	95-120	—	—	—
D	35	Tire	12	A-9991	SEC. #115	—	—	—	—	—
	36	Hub Plate	—							
	37									
	38									
	39	GROUP 96—WHISTLE AND RIGGING								
D	40	WHISTLE	1	5" C.I. CHIME	PURCHASED	—	—	—	—	—
	41	" Bowl	—							
	42	" Bell								
	43	" Valve								
	44	" Gland								
	45	" Nut								
	46	" Diaphragm								
J	47	" Lever	1	962A5010		962A5010	—	—	—	—
	48	" Elbow	—							
	49	" Rigging								
D	50	WHISTLE Hand Lever	1	A-11149		111-F-10	—	—	—	—
	51	" " " Fulcrum	—							
	52	" Rod	—							
D	53	" Bell Crank	1	A-11149		111-F-11	—	—	—	—
D	54	" Rod Thimble	1	122A4	BAR STOCK	—	—	—	—	—
D	55	" " " Washer	1	"		—	—	—	—	—
	56									
	57	GROUP 99—MISCELLANEOUS								
	58	SPEED RECORDER RIGGING	—							
	59									
	60									
	61									

2-27-40

CLASSIFICATION OF DRAWINGS

GEARED LOCOMOTIVE

Group No.	TITLE
10	Ash Pan and Oil Pan
11	Axles
12	Bell and Ringer Blow-off Cock—See 26 Blower Pipe Elbow—See 63
13	Boilers
14	Boiler Details and Attachments—Tubes and Flues. Boiler Checks—See 55
15	Bolts and Nuts, Studs, Pins and Bushings Boxes, Shay Engines—See 93
18	Brackets, Air and Steam Gauge Brackets, Shay Cylinder, Steam and Cylinder Bottom Brackets
20	Brake Equipment, Foundation, All Brake Equipment, Engine and Tender Brick Arch—See 45
21	Bumpers and Details By-pass Valve—See 34
22	Cabs
23	Cab Details, Apron, Brackets, Door Fixtures, Ventilator, etc. Cab Handle—See 53 Cab Lamp—See 54 Cab Tool Box—See 23 Cab Turret—See 78 Chafing Plate—See 48 Cinder Valve and Pipe—See 75 Clearances—See 98 Coal Pusher—See 88
26	Cocks and Valves, Cylinder and Blow-off Cocks, Globe Valves
27	Cocks and Valves, Gauge, Water and Special
28	Cock Rigging Connecting Rods—See 72 Coupler, Engine—See 37 Coupler, Tender—See 37
29	Crank Pins and Details
30	Crossheads, Arm, Pin, Key and Shoes Crossties—See 48
31	Cylinders and Barrel Bushings
32	Cylinder and Steam Chest Heads and Covers, Steam Chests and Bushings
34	Cylinder By-pass, Relief, Vacuum and Drifting Valves
35	Die Work—Flanging Dies
36	Dome—Cap, Casing and Ring
37	Draw-Gear, Engine, Coupler, Uncoupling Rigging Front Buffers, Drawbars, Safety Chains and Bars All Drawgears F and B Drawgear, Tender—See 37 Draft Pipe—See 75 Dry Pipe—See 91
39	Eccentrics, Cranks, Straps and Rods Engine Truck—See 93
42	Erecting Cards—Elevations
43	Erecting Cards—Cross Sections
44	Exhaust Pipe and Nozzles Expansion Pad, Knee and Plate—See 48 Feed Water Attachments—See 55
45	Fire Door, Fire Brick and Tubes, Smoke Consumer Fire Box Ring—See 14 Fire Extinguisher—See 64
48	Frames and Details
49	Gauges, Templates and Jigs
50	Guides, Yoke and End
51	Grate Arrangement
52	Grate Details Hand Holes—See 66
53	Hand Rail and Steps, Engine and Tender
54	Headlights and Signal Attachments, Lamps, Electric Wiring, Builders License and Number Plates
55	Injectors, Boiler Checks and Strainers Keys—See 15

Group No.	TITLE
57	Lagging and Jacket Lamps—See 54
58	Link Motion Mud Drum—See 14 Number Plates—See 54
59	Oil and Grease Cups, Lubricator and Bracket, Oil Can Holder, Flange Lubricator
60	Oil Burning Attachments—Engine Oil Burning Attachments, Tender—See 82
61	Painting, Lettering and Numbering—Photo
62	Pilot and Snow Plows
63	Pipe Fittings and Clamps, Air, Steam, Water and Lubricator Pipe Fittings
64	Piping Arrangements, Engine and Tender, Air Brake, Cooling, Oil Heater, Sprinkler and Steam Heat Piping
65	Piston and Rod, Extensions, Rod Packing
66	Plugs, Hand Holes and Washout Push Pole Pocket—See 21
68	Reverse Lever, Screw and Pneumatic Gears
69	Reverse Shaft and Reach Rod
70	Rocker and Box
71	Running Boards & Brackets, Side and Deck Sheets
72	Rods—Connecting and Stubs Safety Valves—See 78
73	Sand Box, Sanders and Rigging Side Sheet, Cab—See 71 Signal Attachments—See 54
74	Shafts—Crank, Line, Square, Crank, Counterbalance, Couplings, Brasses, Pinions, Gears, etc.
75	Smoke Box Arrangement, Front and Door, Smoke Stack and Extensions, Smoke Box Braces Smoke Consumer—See 45 Speed Recorder—See 99
76	Springs Sprinkler—See 64 Steam Chests—See 32
78	Steam Gauge, Safety Valve and Turrets Steam Heat—See 64
79	Steam Pipes and Tee Heads Steps—See 53
80	Stoker and Details, Engine and Tender
81	Superheater, Header and Details Superheater Flues—See 14
82	Tank Valves—Oil and Water, Handle, Well, Goose Neck, Strainer, Hose
85	Tender Frames
87	Tender Deck, Tool Box
88	Tender Tank—Water and Oil, Filling Hole, Tank Funnel, Coal Gate, Coal Pusher Tender Truck—Shay Engines—See 93
91	Throttle and Dry Pipe—Lever, Supports, Sleeves Tires—See 95 Tool Boxes, Engine—See 23 Tool Boxes, Tender—See 87
92	Tools
93	Trucks and Details, Shay Engine, including Boxes and Bearings Tube Setting—See 14 Turret, Safety Valve—See 78 Turret, Air—See 20
94	Valves, Distribution—Stems, Rods, Valve Rod Crosshead and Packing Valve Rod Crosshead Guide—See 94 Waist Sheets—See 48
95	Wheels and Tires—Driving Engine, Truck, Trailing, Tender Wheels
96	Whistle and Rigging
97	Preliminary Designs and Propositions
98	Clearance and Wheel Base Diagrams
99	Miscellaneous

Material Specifications

(36" Gauge)

New Stayboltz Added In Boiler.
Frame End Casting New Line Added & Pat. Altered
Cab. New Line Added.
New Frame Drawing
" Truck "
" Wheel Center Pat Altered
" Line On Tumbling Shaft.
" " " Tender Frame.
" " " Axle
" " " Front End Timber
" " " Gear Rim Bolts.
" Syphon Bracket
" Expansion Plates
" Line On Rev. Lever Arrgt.
" Truck Bolster 36" Gauge.
" Run Board Brac. Sketch. 7/A5028
" Cab Step Right Side.
" Line Added for Cab Step. Left Side
" " " Run Board Bracket. 7/2E4F5051
" " " Brake Lever 20M5075
" " " Frame Brace 43B5039
" " " On Cyl. Hood.
" " " End Timber Handle
" " " Brake Lever Fulcrum 20F6H6088
" " " Run Board Bracket 7/2B5053
" " " Super Heater Damper Shaft Link.
" " " Truck Crosstie Bar.
" " " Diagonal Brace
" Crosstie Bars Top & Center.
" Line Added To Truck Safety Chain.
" " " " Oil Cock Shaft.
" Run Board Card
"